



Math 1314.107H2
College Algebra
STEAM, Bldg. #22, Room 115
Fall 2024
T,TH: 9:30 – 12:20 PM
Hybrid

This is a Hybrid course. You will have some in class instruction and, you will be responsible for learning some of the material online via lecture videos/handouts provided by me AND/OR the provided Pearson resources.

Instructor Information: Kristi Kelley, kkelley9@com.edu , 409-933-8287

Student hours and location: M,W: 9 – 10:45 AM and 2 – 2:30 PM in STEAM 325.05
T,Th: 9 – 9:30 AM and 1:30 – 2:30 PM in STEAM 325.05
F: By appointment only

You can come to student hours in person or meet virtually via Teams.
Office location: STEAM 325.05

[Join the Virtual Office Hours](#)

Send me an E-mail if you'd like to meet virtually during office hours.

Microsoft Teams: [Join the class team](#) by clicking the link or by using the join code: **z7myt5k**
You need to use your COM credentials when logging into Microsoft Teams. You may need to un-install Teams and re-download the version for schools.

Pulse App: Download the Brightspace D2L Pulse App to get the announcements on your phone that I post to D2L. I will send reminders about assignments among other things through this app.



Outlook App: Download the outlook app on your phone to be able to check and send emails from your smartphone.



Calculate84: Download [Calculate84 on your iPhone](#) and [download Calc84 on your android](#). to have an TI 84 calculator app on your phone. I do recommend buying one if you can, but if you cannot, this will work for your homework.



NOTE: You will not be able to use this app in class on quizzes or exams. I will have a few TI 30 calculators if anyone needs to use a calculator for quizzes. I WILL bring the TI 84 calculators for the exams.

NOTE: See the library to try to check out a TI 84 calculator!



Required Textbook/Materials:

Textbook: College Algebra, by Beecher, Penna, Bittinger, fifth edition, published by Pearson.

Minimally, you are required to purchase the access code for MyMathLab to access the eText for the textbook and all course assignments. A hard copy of the textbook is recommended, but not required.

The cost of the access code is included in tuition for this course. You will go to D2L to access MyMathLab.

DO NOT OPT OUT OF THE COURSE MATERIALS!

If you opt out, you'll lose access to your homework/quizzes and will have to re-pay for MyMathLab and at a higher cost.



Required Technology: A TI-84 Plus graphing calculator is required for this course. At the minimum, you need a TI 30 XIIS calculator. *A TI-89 or higher or a TI-Nspire are not permitted.* Internet capability is also required to gain access to course materials and online assignments via MyMathLab software.



For Math 1314 in class quizzes and exams, a COM issued TI 84 Plus calculator will be provided and required. It is recommended you purchase your own TI-84 Plus calculator to use during lectures and on homework to assist with learning the appropriate keystrokes. HOWEVER, you can download an app called Calculate84 on your smartphone to use at home which has almost all the features of the TI 84 Plus CE calculator.

Recommended Materials:

- A small 3 ring binder (to keep class notes in)
- Spiral bound notebook (to do your homework in) OR notebook paper and a bradded folder
- Pens and Pencils (You MUST complete your exam with a pencil or ERASEABLE pen)
- index cards
- highlighters

Points may be deducted for use of a non-erasable pen.

Course Description: College Algebra is an in-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices.

Course requirements:

- **Homework:** Online MyMathLab homework assignments will be given each week for every section covered in the course. Homework assignments will count as 10% of your final grade. *There may be additional homework assignments assigned during class throughout the semester.*
- **Quizzes:** Four online MyMathLab quizzes will be given. Cumulatively, the quizzes will count as 10% of your final grade. *There may be in class quizzes given at any time.*
- **Participation:** Your participation grade will count for 5% of your overall grade. It is essential to maintain a high level of participation to positively impact your overall academic performance. Students with a participation grade lower than 70% will not have the opportunity to replace their lowest exam grade with their final exam score.
- **Unit Exams:** Four exams will be given, and you will be provided with an online and paper review to prepare for each exam. Each test will count as 15% of your grade. The exams count as 60% of your grade. There will be three exams in class and one exam taken online.
We will review for the exam in class IF time permits. A review video will be provided if we do not complete the review in class.
- **Final Exam:** The comprehensive final exam will be given at the end of the course during Week 16. The final exam will count as 15% of your grade and will replace your lowest exam grade if it is higher.

Determination of Course Grade/Detailed Grading Formula:

Grading Formula:

The course average will be determined using the following formula:

$$\text{Final Average} = .60(\text{Exam Average}) + .15(\text{Final Exam}) + .10(\text{Homework}) + .10(\text{Quizzes}) + .05(\text{Participation})$$

Grading Scale:

The course grade will be determined using the following scale:

- Grade A: Final Average [89.5, 100]
- Grade B: Final Average [79.5, 89.5)
- Grade C: Final Average [69.5, 79.5)
- Grade D: Final Average [59.5, 69.5)
- Grade F: Final Average [0, 59.5)

Submitting Exam Scratch Work for Online Exams

You will be **REQUIRED** to submit scratchwork for the online exam. You will submit your scratchwork to D2L as a SINGLE PDF file. There will be a slot in Assignments in the top toolbar in D2L for your scratchwork submission for each exam. I will grade your scratch work. Problems that lack work to justify your answer or are not worked out using the methods taught in class or the Pearson resources, will lose points.

Exam scratchwork needs to be submitted using the following criteria or will not be accepted:

- 1) Pages must be numbered and submitted in the correct order
- 2) Problems must be numbered and worked according to the methods provided in the instructor's lecture videos and/or Pearson resources. Problems worked via methods not appropriate for this course may not be given credit. **Scratchwork that is not legible will not be graded.**
- 3) You must take pictures of your scratchwork using a smart phone, convert to a **SINGLE PDF FILE** (multiple PDFs will not be accepted) using a PDF converter app such as CamScanner, and upload to D2L within **15 minutes** of completing the exam.

Additional Information:

- I. If you are having trouble uploading your scratch work to D2L or converting pictures of your work to a single PDF file, e-mail me a picture of your work, and then I can help you upload your scratch work.
- II. Scratch work that is submitted between 16 minutes and 1 hour after completing the exam will lose 5 points on the online exam.
- III. Scratch work that is submitted more than 1 hour after completing the exam will lose 10 points on the exam.
- IV. Scratch work that is not submitted will lose 20 points on their exam.

Exam Pre-requisites: There is a pre-test quiz that contains testing instructions that must be completed prior to the exam opening.

Late Work: Each homework and quiz have a set due date. You can complete homework and quizzes after the due date until 11:59 PM on the day of the exam. Each homework question worked after the due date will receive a 10% late penalty. The late penalty applies only to questions worked after the due date and not the entire assignment.

Homework and quizzes will close on the day of the exam at 11:59 PM and will not be re-opened.

Make-Up Exams: There are no make-up exams. If you miss an exam, your final exam will replace that exam grade at the end of the semester. If you know you are going to miss an exam, you can take the exam prior to the exam date in the testing center.

There is NO extra credit for this course.

Class Expectations

- 1) Arrive on time and have a productive workspace by the time class begins.
 - Get out your writing utensils (pencil or erasable pen), notebook paper, daily handout, and approved calculator out on your desk.
 - Put away cell phone, laptop, or any electronic device, ***including your earbuds.*** Preferably, put in your backpack. Put your backpack/purse on the floor between your feet/under the desk.
The only thing you need on your desk is your writing utensils, calculator, and handout/paper!!
- 2) Be engaged in the lecture.
 - Keep your cell phone, laptop, and any electronic devices put away during lecture.
 - Take notes.
 - Answer questions directed towards you or the class.
 - Complete independent/group work as assigned.
- 3) Remain in the class the entire time IF possible.

Remember, arriving late, leaving early, being on your cell phone during class can disrupt the learning environment for both you and your classmates, as well as the instructor. These behaviors can cause you to lose participation points.

Participation Grade Information

Participation Grading Criteria

Your participation grade is an important part of your overall grade and is based on several factors:

Attendance: Regular attendance is crucial for your participation grade. Make sure to be present for all classes unless you have a valid reason for absence.

Preparedness: Being prepared for class includes bringing all necessary materials. The required course materials to bring every day include the printed class notes, pencils or erasable pens, highlighters, and a calculator.

Note-taking: Actively taking notes during class shows that you are engaged and attentive.

Class Participation: Asking or answering questions, working on assigned problems during class, and contributing to group activities are all important aspects of class participation.

Cell Phone Usage: Minimize distractions (for you, your classmates, and the instructor) by refraining from using your cell phone during class unless it is for an educational purpose as directed by the teacher.

Points Deduction

You will lose participation points for behavior that goes against the classroom expectations. (arriving late, leaving early, being on your cell phone, not printing notes, not taking notes, not working on problems assigned during class, being disrespectful to your peers or the instructor, etc.)

Each "offense" will result in losing half an absence for the class session.

Participation Grade Formula = $\frac{\text{total attendance points}}{\text{total class days}} * 100$

Note: each class session counts as 1 attendance point.

Testing Policy

1. Use the restroom before you start the exam.
2. Cell phones need to be turned OFF. An exam will not be given to you until you show me your cell phone is turned off.
3. ALL electronic devices need to be turned OFF and placed in your backpack or purse.
4. Your backpack/purse needs to be put on the ground next to your feet/chair.

If I see you on your cell phone or with a "cheat sheet" during the test, you will receive a zero for the exam and will be referred to the Dean of Students. **If you leave the classroom at any time during an exam, the exam must be submitted for grading.** If you are not feeling well, let me know in advance of distributing the exam and the exam will be given one page at a time. Therefore, it is strongly advised that students take care of all personal business prior to entering the classroom to take an exam.

Attendance Policy

To do well in this course, it's important to attend all classes regularly. There are no excused absences. It's crucial to catch up on any missed work. If you miss a class, make sure to take notes from the recorded sessions in D2L. Simply copying someone else's notes may not be sufficient for understanding the material. Additionally, arriving late or leaving early disrupts the class. Arriving more than 15 minutes late or leaving 15 minutes early will impact your participation grade. Attending all classes will help you stay on track with the material, understand the concepts thoroughly, and perform well in assessments and assignments. Your active participation in class discussions and activities will also contribute to your overall learning experience and success in the course. When students are not actively participating (e.g., contributing to discussions and completing weekly online homework), the faculty member can initiate an instructor drop and, subsequently, the student will receive a **W** for the course.

Communicating with your instructor: ALL electronic communication with the instructor must be through your COM email. Due to FERPA restrictions, faculty cannot share any information about performance in the class through other electronic means. (Faculty may add additional statement requiring monitoring and communication expectations via D2L or other LMS)

Academic Dishonesty: College of the Mainland is committed to a high standard of academic integrity. All students are responsible for honesty and independent effort. Incidents of academic and scholastic dishonesty (including cheating, plagiarism, and collusion) will be dealt with in a manner that is consistent with College Policy and the Student Conduct. Any student found to have been academically dishonest on an assignment, quiz, or exam will receive a zero for that assignment, quiz, or exam, and he or she will be referred to the Office of Student Conduct for further disciplinary action. Please read the section on Standards of Student Conduct and Discipline and Penalties in the online Student Handbook.

If you are caught with a “cheat sheet” or your cell phone out during an exam, you will receive a zero for the exam grade and will be referred to see the Dean of Students.

Student Concerns: If you have any questions or concerns about any aspect of this course, please contact me using the contact information previously provided. If, after discussing your concern with me, you continue to have questions, please contact Mr. Leslie Richardson, Math Department Chair, at (409) 933-8329 or at lrichardson@com.edu

Table Mapping SLO’s and Core Objectives

Student Learner Outcomes	SLO assessed via this assignment	SLO maps to Core Objective	Core Objective assessed via this assignment
1. Demonstrate and apply knowledge of properties of functions, including domain and range, operations, compositions, and inverses.	Exam 1		
2. Recognize and apply polynomial, rational, exponential, and logarithmic functions and solve related equations.	Exam 2, Exam 3	Critical Thinking Skills (CT)	2 application problems on Exam 3
3. Apply graphing techniques.	Quiz 3	Communication Skills (CS)	Graphing question on Exam 1
4. Evaluate all roots (zeros) of higher degree polynomials and rational functions.	Quiz 2		
5. Recognize, solve and apply systems of linear equations using matrices.	Exam 4	Empirical and Quantitative Skills (EQS)	2 application problems on Exam 4

Institutional Policies and Guidelines

Grade Appeal Process: Concerns about the accuracy of grades should first be discussed with the instructor. A request for a change of grade is a formal request and must be made within six months of the grade assignment. Directions for filing an appeal can be found in the student handbook https://www.com.edu/student-services/docs/Student_Handbook_2024-2025_v2.pdf. *An appeal will not be considered because of general dissatisfaction with a grade, penalty, or outcome of a course. Disagreement with the instructor’s professional judgment of the quality of the student’s work and performance is also not an admissible basis for a grade appeal.*

Academic Success & Support Services: College of the Mainland is committed to providing students the necessary support and tools for success in their college careers. Support is offered through our Tutoring Services, Library, Counseling, and through Student Services. Please discuss any concerns with your faculty or an advisor.

ADA Statement: Any student with a documented disability needing academic accommodations is requested to contact: Kimberly Lachney, Student Accessibility Services Coordinator
Phone: 409-933-8919
Email: AccessibilityServices@com.edu
Location: COM Doyle Family Administration Building, Student Success Center

Textbook Purchasing Statement: A student attending College of the Mainland is not under any obligation to purchase a textbook from the college-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

Withdrawal Policy: Students may withdraw from this course for any reason prior to the last eligible day for a “W” grade. Before withdrawing students should speak with the instructor and consult an advisor. Students are permitted to withdraw only six times during their college career by state law. **The last date to withdraw from the 1st 8-week session is October 2. The last date to withdraw from the 16-week session is November 15. The last date to withdraw for the 2nd 8-week session is November 26.**

FN Grading: The FN grade is issued in cases of *failure due to a lack of attendance*, as determined by the instructor. The FN grade may be issued for cases in which the student ceases or fails to attend class, submit assignments, or participate in required capacities, and for which the student has failed to withdraw. The issuing of the FN grade is at the discretion of the instructor. The last date of attendance should be documented for submission of an FN grade.

Early Alert Program: The Student Success Center at College of the Mainland has implemented an Early Alert Program because student success and retention are very important to us. I have been asked to refer students to the program throughout the semester if they are having difficulty completing assignments or have poor attendance. If you are referred to the Early Alert Program you will be contacted by someone in the Student Success Center who will schedule a meeting with you to see what assistance they can offer in order for you to meet your academic goals.

Resources to Help with Stress:

If you are experiencing stress or anxiety about your daily living needs including food, housing or just feel you could benefit from free resources to help you through a difficult time, please click here <https://www.com.edu/community-resource-center/>. College of the Mainland has partnered with free community resources to help you stay on track with your schoolwork, by addressing life issues that get in the way of doing your best in school. All services are private and confidential. You may also contact the Dean of Students office at deanofstudents@com.edu or communityresources@com.edu.

Nondiscrimination Statement:

The College District prohibits discrimination, including harassment, against any individual on the basis of race, color, religion, national origin, age, veteran status, disability, sex, sexual orientation, gender (including gender identity and gender expression), or any other basis prohibited by law. Retaliation against anyone involved in the complaint process is a violation of College District policy.

Important Dates:

Census Day: 10/21 **2nd 8 weeks W Day:** 11/26
Last Day of Class: 12/4 **Grades Due:** 12/6

Week	Dates	Math 1314-115H2 TTH 11 – 1:50	Due Dates by 11:59pm
1	October 14 – 20	In Class Lectures and Complete MML Assignment by Due Date Syllabus – T 1.1 Introduction to Graphing – T 1.2 Functions and Graphs – T/Th 2.1 Increasing, Decreasing, and Piecewise Functions – Th	Th:10/17/24 Sa:10/19/24 Sa:10/19/24
		Watch the Online Lectures and Complete MML Assignment by Due Date 1.3/1.4 Linear Functions, Slope, and Applications/Equations of Lines 1.5 Linear Equations, Functions, Zeros, Applications Quiz 1 (Sections 1.1-1.5)	Su:10/20/24 Su:10/20/24 Su:10/20/24
2	October 21 – 27	In Class Lectures and Complete MML Assignment by Due Date 2.2 The Algebra of Functions – T 2.3 The Composition of Functions – T <i>Test 1 Review</i> – Th 3.2 Quadratic Equations, Functions, Zeros, Models – Th (<i>Exam 2 material</i>)	Th:10/24/24 Th:10/24/24 Th:10/31/24
		Watch the Online Lectures and Complete MML Assignment by Due Date 2.5 Transformations	Su:10/27/24
3	October 28 – November 3	In Class Lectures and Complete MML Assignment by Due Date <i>Test 1 (Chapters 1 & 2) in class on October 29, 2024 – T</i> 3.3 Analyzing Graphs of Quadratic Functions – T 4.1 Polynomial Functions – Th 4.2 Graphing Polynomial Functions – Th 4.5 Rational Functions – Th	T:10/29/24 Th:10/31/24 Sa:11/2/24 Sa:11/2/24 Sa:11/2/24
		Watch the Online Lectures and Complete MML Assignment by Due Date 4.3 Remainder and Factor Theorems	Su:11/3/24
4	November 4 – 10	In Class Lectures and Complete MML Assignment by Due Date 4.5 Rational Functions – T 4.6 Polynomial Inequalities – T <i>Test 2 Review in class on 11/6/24 – Th</i> 5.2 Exponential Functions and Graphs – Th (<i>Exam 3 material</i>)	Th:11/7/24 Th:11/7/24 11/14/24
		Watch the Online Lectures and Complete MML Assignment by Due Date Quiz 2 (Sections 3.2, 4.3 & 4.5) <i>Test 2 Review Online</i> <i>Test 2 (Chapters 3, 4) online – due Sun November 10th and closes Mon w/ a 5% late penalty</i> 5.1 Inverse Functions (<i>Exam 3 material</i>)	Su:11/10/24 Su:11/10/24 Su:11/10/24 Su:11/14/24
5	November 11 – 17	In Class Lectures and Complete MML Assignment by Due Date 5.3 Logarithmic Functions and Graphs – T 5.4 Properties of Logarithmic Functions – T 5.5 Solving Exponential and Logarithmic Equations – Th <i>Test 3 Review</i> – Th	Th:11/14/24 Th:11/14/24 Sa:11/16/24
		Watch the Online Lectures and Complete MML Assignment by Due Date Quiz 3 (Sections 5.1-5.3) 5.6 Applications <i>Test 3 Review Video</i>	Su:11/17/24 Su:11/17/24 Su:11/17/24
6	November 18 – 24	In Class Lectures and Complete MML Assignment by Due Date <i>Test 3: Chapter 5 In Class on November 19, 2024 – T</i> 6.1 Systems of Equations in Two Variables – T 6.3 Matrices and Systems of Equations – Th 6.2 Systems of Equations in Three Variables – Th	T:11/19/24 Th:11/21/24 Sa:11/23/24 Sa:11/23/24
		Watch the Online Lectures and Complete MML Assignment by Due Date	

7	November 25 – December 1	In Class Lectures and Complete MML Assignment by Due Date 6.2 Systems of Equations in Three Variables – T Test 4 Review – T	Th:11/28/24
		Watch the Online Lectures and Complete MML Assignment by Due Date Quiz 4(6.1-6.3) Test 4 Review Video (If we don't finish in class)	Su:12/1/24 Su:12/1/24
8	December 2 – 4	In Class Lectures and Complete MML Assignment by Due Date	
		<i>Test 4: Chapter 6 in Class on December 3, 2024 – T</i>	T:12/3/24
		<i>Review for Final Exam in class on 12/3/24 – T</i>	
		<i>Final Exam in Class on December 5, 2024 – Th</i>	TH:12/5/24